

Recombinant Human TFRC Protein, His-tagged

Cat. No. TFRC-467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TFRC protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	760
Description	This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.
Form	Lyophilized
Molecular Mass	76 kDa
AA Sequence	MMDQARSAFSNLFGGEPLSYTRFSLARQVDGDN SHVEMKLAVDEEENADNNTKAN VTKPKRCSGSICYGTIAVIVFFLIGFMIGYLG YCKGVEPKTECERLAGTESPVREEPG EDFPAARRLYWDDLKRKLSEKLDSTDFGTIKLLNENS YVPREAGSQKDENLALYVE NQFREFKLSKVWRDQHFVKIQVKDSAQNSVIIVDKNGRLVYLVENPGGYVAYS KAAT VTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQT KFPIVNAELSFFGHAHLGTGDPYTPGFPSFNHTQFPSPRSSGLPNIPVQTISR AA AEK LFGNMEGDCPSDWKTDSTCRMVTSSESKNVKLT VSNVLKEIKILNIFGVIKGFVEPDHY VVVGAQRDAWGPGAAKSGVGTALLLKL AQMFSDMV LKDG FQPSRSIIFASWSAGD

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FGSVGATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQNVKH
PVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLGTTMDT
YKELIERIPELNKVARAAAEVAGQFVIKLTHDVELNLDYERYNSQLLSFVRDLNQYRA
DIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKLNDRVMRVEYHFL
SPYVSPKESPFRHVFVGSGSHTLPALLENLKLKQNNGAFNETLFRNQLALATWTI
QGAANALSGDVWDIDNEF

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name TFRC transferrin receptor (p90, CD71) [Homo sapiens (human)]

Official Symbol TFRC

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Synonyms	TFRC; transferrin receptor (p90, CD71); transferrin receptor protein 1; CD71; TFR1; T9; TR; TFR; p90; TRFR;
Gene ID	7037
mRNA Refseq	NM_001128148
Protein Refseq	NP_001121620
MIM	190010
UniProt ID	P02786

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